Claim Amendments

- 1. (Currently amended) A method for forming a moisture reactive hot melt adhesive comprising
 - a) forming a hydroxyl-functional prepolymer by reacting first components comprising a polyol selected from the group consisting of polyether polyols, polyester polyols, and mixtures thereof, said polyol having a weight average molecular weight less than 2,000 [[of from 250 to 5,000]]; and a polyisocyanate, the ratio of OH/NCO groups of said first components on an equivalents basis being from 1.05 to 3.0;
 - b) admixing second components comprising said hydroxyl-functional prepolymer, a polyol selected from the group consisting of polyether polyols, polyester polyols, and mixtures thereof, and a polyisocyanate, the weight ratio of said hydroxyl-functional prepolymer to said polyol being from 9/1 to 1/9, and the ratio of NCO/OH groups of said second components on an equivalents basis being from 1.5 to 2.2; and
 - c) reacting, or allowing to react, said admixture.
- 2. (original) The method of claim 1 wherein said second components comprise said hydroxyl-functional prepolymer, a crystalline polyester polyol, and a polyisocyanate, the weight ratio of said hydroxyl-functional prepolymer to said polyol being from 9/1 to 1/9, and the ratio of NCO/OH groups of said second components on an equivalents basis being from 1.5 to 2.2.
- 3. (original) A moisture reactive hot melt adhesive formed by the method of claim lor claim 2.
- (original) A method for bonding substrates comprising
 forming a moisture reactive hot melt adhesive by the method of claim 1 or claim
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heating said hot melt adhesive to a temperature of 90 °C to 140 °C; applying said heated hot melt adhesive to a first substrate in the presence of moisture:

contacting said applied heated hot melt adhesive with a second substrate; and cooling, or allowing to cool, said adhesive.

Support for Amendments

Support for the amendments to claim 1 of a polyol having a weight average molecular weight less than 2,000 is found in Example 1 at page 7, lines 20-21. The hexane diol adipate polyester polyol having Mw 1000. The inventor informs me that the first polyol component of the hydroxyl-functional prepolymer not exceed a Mw of 2000 to obtain an optimal viscosity needed for admixing with the second hydroxyl-functional prepolymer.

Response to 35 U.S.C. § 103(a) Rejection of Claims 1-4

Claims 1-4 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Graham (U. S. Pat. No. 6,365,700) in view of U. S. Patent Nos. 5,939,499 (Anderson et al.). Applicants traverse the rejection and submit that amendments to independent claim 1 obviates the Examiner's rejection. Applicants submits the invention as presented in amended claim 1 and claims 2-4, which incorporate claim 1, is patentable over the prior art of record.